

*Sub 17
amend*

22. (Twice Amended) A computer program residing on a computer-readable medium for operating in a CSMA network in which a plurality of peer devices communicate over a medium, the computer program comprising instructions for:

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having a first device, which can be any of the plurality of peer devices, exchange messages with a second device, which can be any other of the plurality of peer devices, over the medium using a CSMA contention-oriented service to establish a session of contention-free intervals within the CSMA contention-oriented service for use by the first device and the second device for contention-free traffic between the devices, and

having the first device determine when transmissions can occur on the medium during the contention-free intervals based on the exchanged messages.